

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-271067

(43)Date of publication of application : 05.10.1999

(51)Int.Cl.

G01C 21/00
G08G 1/0969
G09B 29/00
G09B 29/10

(21)Application number : 10-070739

(71)Applicant : SONY CORP

(22)Date of filing : 19.03.1998

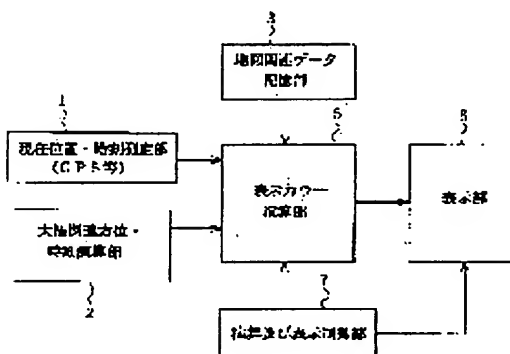
(72)Inventor : NUNOKAWA KATSUHIKO
HASEGAWA KOJI
TAKEYASU MASASHI

(54) NAVIGATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enable the indication of a map color and sky atmosphere color corresponding to the time change of natural atmosphere colors on a display.

SOLUTION: A sun-relative bearing-time calculator 2 computes the sunrise and sunset times T_o , T_i , based on a present position (X, Y) and present time T or a moving body measured by a present position-time measuring unit 1, an indication color calculator 3 gradually change the indication colors of a map and sky background shown on a display 6, the sun-relative bearing-time calculator 2 computes the absolute bearings θ_o , θ_i in the sun orbital plane at the sunrise and sunset times T_o , T_i , the background indication color shown in the display 6 is bright in the direction of the sun and dark in the opposite direction thereto, and hence the moving body can be comfortably guided and run, with visually feeling the image of the natural atmosphere on the display 6.



LEGAL STATUS

[Date of request for examination]

27.04.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

3531462

[Date of registration]

12.03.2004

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office